

# Motor cable

## NEBM-M16G8-E-7.5-Q9-LE8

Part number: 8004661

FESTO



## Data sheet

Feature	Value
Based on standard	EN 61984
Cable designation	Without inscription label holder
Electrical connection 1, function	Field device side
Electrical connection 1, design	Round
Electrical connection 1, connection type	Socket
Electrical connection 1, cable outlet	Straight
Electrical connection 1, connector system	M16x0.75
Electrical connection 1, number of connections/cores	8
Electrical connection 1, used connections/cores	6
Electrical connection 2, function	Controller side
Electrical connection 2, connection type	Cable
Electrical connection 2, connector system	Open end
Electrical connection 2, number of connections/cores	8
Electrical connection 2, used connections/cores	6
Operational voltage range DC	0 V...600 V
Note on operational voltage range DC	0 - 300 V for conductor cross section 0.5 mm <sup>2</sup>
Operational voltage range AC	0 V...600 V
Note on operational voltage range AC	0 - 300 V for conductor cross section 0.5 mm <sup>2</sup>
Current rating at 40° C	16 A
Note on permissible current load at 40°C	8 A for conductor cross section 0.5 mm <sup>2</sup>
Immunity to surge	6 kV
Note on immunity to surge	4 kV for conductor cross section 0.5 mm <sup>2</sup>
Shielding	yes
Cable length	7.5 m
Cable characteristic	Suitable for energy chains
Bending radius, fixed cable	64 mm
Bending radius, moving cable	128 mm
Cable diameter	12.8 mm
Cable structure	4 x 1.5 mm <sup>2</sup> + 2 x (2 x 0.5 mm <sup>2</sup> )

Feature	Value
Nominal cross section conductor	0.5 mm <sup>2</sup> 1.5 mm <sup>2</sup>
Wire ends	Wire ferrule
Degree of protection	IP65
Note on degree of protection	In assembled state
Ambient temperature	-50 °C...90 °C
Ambient temperature with moving cable	-40 °C...90 °C
CE mark (see declaration of conformity)	To EU Low Voltage Directive In accordance with EU RoHS Directive
UKCA marking (see declaration of conformity)	To UK RoHS instructions To UK regulations for electrical equipment
LABS (PWIS) conformity	VDMA24364-B2-L
Note on materials	RoHS-compliant
Pollution degree	3
Corrosion resistance class CRC	0 - No corrosion stress
Material cable sheath	TPE-U(PUR)
Cable sheath colour	Orange
Material insulating sheath	TPE-E